

CLAIMS

What is claimed is:

1 1. A stent with a tubular support frame (2) consisting of axially
2 successively following, interconnected annular segments (3, 4, 5),
3 which support frame (2) is surrounded on its outside by a thread (11),
4 characterized in that the thread ends (12, 13) are guided via a
5 deflection (14) from the outside into the support frame (2), where they
6 are coupled by a connector (17).

1 2. The stent according to Claim 1, characterized in that the
2 deflection (14) is realized at least one deflection element (15, 16; 19,
3 20; 22, 23; 26, 27) provided on an annular segment (3, 4).

1 3. The stent according to Claim 1 or 2, characterized in that
2 the deflection (14) is formed by two deflection elements (15, 16; 19, 20;
3 22, 23; 26, 27) arranged on the circumference of the support frame (2)
4 with an interval (A) from one another.

1 4. The stent according to one of Claims 1 to 3, characterized
2 in that the deflection (14) is provided on the end-side annular segment
3 (3), viewed in the direction of the longitudinal axis (L) of the stent.

1 5. The stent according to one of Claims 1 to 4, characterized
2 in that the deflection (14) is arranged on the inner side, facing the
3 middle of the stent, of the annular segment (3).

1 6. The stent according to one of Claims 1 to 4, characterized
2 in that the deflection (14) is formed by two deflection elements (19, 20;
3 22, 23) of which a first deflection element (19; 22) is arranged on the
4 inner side, facing the middle of the stent, of an annular segment (3)

5 and that the second deflection element (20; 23) is arranged on the
6 outer side of the annular segment (3).

1 7. The stent according to one of Claims 1 to 3, characterized
2 in that the deflection (14) is formed by two deflection elements (26, 27)
3 of which a first deflection element (26) is provided on the end-side
4 annular segment (3), viewed in the direction of the longitudinal axis (L)
5 of the stent, and a second deflection element (27) is provided on the
6 adjacent annular segment (4).

1 8. The stent according to one of Claims 1 to 7, characterized
2 in that the connector (17) consists of a material visible in x-rays.

1 9. The stent according to one of Claims 1 to 8, characterized
2 in that additional guide elements (28) are provided in the support
3 frame (2).

1 10. The stent according to one of Claims 1 to 9, characterized
2 in that the annular segments (3, 4, 5) are formed by struts (6, 7) that
3 follow one another in an endless, corrugated manner and that
4 adjacent annular segments (3, 4, 9) are coupled by connector struts (8,
5 8').

1 11. The stent according to one of Claims 1 to 10,
2 characterized in that each connector strut (8, 8') comprises a
3 longitudinal section (9) running substantially parallel to the longitudinal
4 axis (L) of the stent and comprises a strut section (10) aligned
5 transversely to the latter and configured in a U shape or V shape.